

(19) World Intellectual Property  
Organization  
International Bureau



553 168

(43) International Publication Date  
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number  
**WO 2004/093283 A1**

(51) International Patent Classification<sup>7</sup>: **H02H 3/093,**  
H02J 13/00

[IT/IT]; Via Aldo Motta n.24/A, I-20059 Vimercate -  
Milano (IT).

(21) International Application Number:  
PCT/EP2003/004090

(74) Agents: **HOFFMANN EITLE** et al.; Arabellastrasse 4,  
81925 München (DE).

(22) International Filing Date: 17 April 2003 (17.04.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*): **ENEL**  
**DISTRIBUZIONE S.P.A.** [IT/IT]; Via Ombrone 2,  
I-00198 Rome (IT).

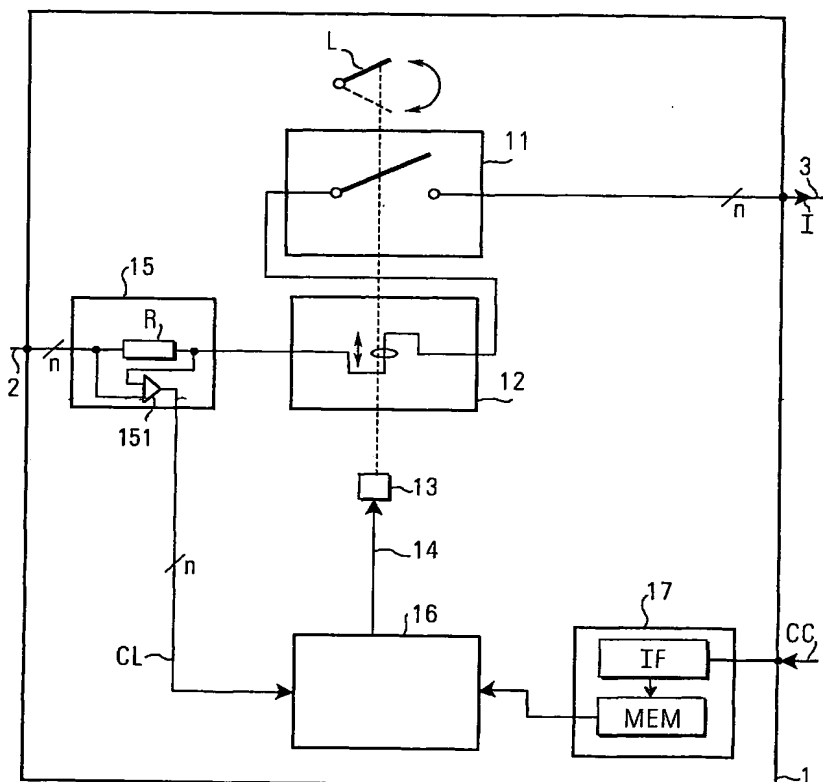
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **VERONI, Fabio**

[Continued on next page]

(54) Title: **ELECTRIC CIRCUIT BREAKER**



(57) Abstract: An electric circuit breaker (1) comprises a switch (11) to be arranged in said electrical circuit (3); means (13) for causing said switch (11) to break said electrical circuit (3) in response to a tripping signal (14); means (17) for receiving (IF) and storing (MEM) a programmable current threshold command (CC); means (15) for detecting a current level (CL) in said electrical circuit (3); and processing means (16) for generating said tripping signal (14) depending on said stored programmable current threshold command (CC) and said detected current level (CL).

WO 2004/093283 A1



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,  
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*